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1645  
PATENT

Case Docket No. DAVIE79.001APC

Date: January 6, 2003

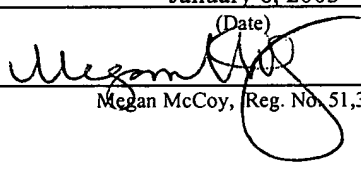
Page 1

In re application of : Chappel  
App. No. : 09/380,826  
Filed : November 22, 1999  
For : LEPTOSPIRA PATHOGENS  
HAVING NOVEL  
SEROLOGY  
Examiner : Hines, J.  
Art Unit : 1645

I hereby certify that this correspondence and all marked  
attachments are being deposited with the United States  
Postal Service as first class mail in an envelope addressed  
to: United States Patent and Trademark Office, P.O. Box  
2327, Arlington, VA 22202, on

January 6, 2003

(Date)

  
Megan McCoy, Reg. No. 51,345

UNITED STATES PATENT AND TRADEMARK OFFICE  
P.O. Box 2327  
Arlington, VA 22202

Sir:

Transmitted herewith is an amendment in the above-identified application.

(X) An extension of time to respond for one month(s) is hereby requested.

Time Extension Fee:

(X) one month (\$110 large entity)

The fee has been calculated as shown below:

CLAIMS AS FILED						
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
Total Claims	24	—	122	= 0 ×	\$18	= \$0
Independent Claims	2	—	3	= 0 ×	\$84	= \$0
If application has been amended to contain multiple dependent claim(s), then add					\$280	= \$0
Time Extension Fee						\$110
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$110

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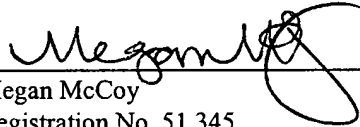
PATENT

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Date: January 6, 2003

Page 2

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- (X) Exhibit A in 4 pages.
  - (X) Exhibit B in 2 pages.
  - (X) Return prepaid postcard.
  - (X) A check in the amount of \$110 is enclosed.
  - (X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.
  - (X) Please use Customer No. 20,995 for the correspondence address.

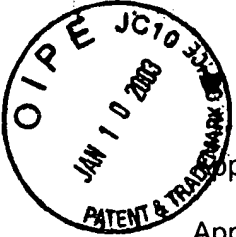
  
Megan McCoy  
Registration No. 51,345  
Agent of Record  
Customer No. 20,995  
(805) 547-5581

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010303

DAVIE79.001APC

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant : Chappel, R. ) Group Art Unit 1645  
Appl. No. : 09/380,826 )  
Filed : November 22, 1999 )  
For : LEPTOSPIRA PATHOGENS )  
HAVING NOVEL SEROLOGY )  
Examiner : Hines, J. )

# 22/E  
JM  
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AMENDMENT

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

In response to the Office Action dated September 4, 2002 (Paper No. 20), please amend the above-captioned application as follows:

IN THE CLAIMS:

Please amend claims 1, 17, 19, 75, 124 and 125 as follows:

- Sub E
1. (Twice amended) An isolated pathogenic *Leptospira* bacterium, wherein said bacterium:
- a) belongs to serovar hurstbridge, wherein said bacterium is cross-reactive in a cross-agglutination absorption assay with the *Leptospira fainei* strain WKID deposited under AGAL Accession No. N95/69684;
  - b) belongs to sero group Hurstbridge and cross-agglutinates with share group antigens of the *Leptospira fainei* strain WKID deposited under AGAL Accession No. N95/69684, wherein said bacterium does not cross-agglutinate with the members of other *Leptospira* groups; or
  - c) belongs to the species *Leptospira fainei* and wherein said bacterium comprises genomic DNA which is at least 40% homologous to the genomic DNA derived from *Leptospira fainei* strain WKID deposited under AGAL Accession No. N95/69684.